



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

## Photometric Test Report

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510789.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] L052510789

[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)

[ISSUEDATE] 6/4/2025

[MANUFAC] Vista Professional Outdoor Lighting

[LUMCAT] 1142-WG-RGBW-(R)

[LUMINAIRE] 1142 Wall Grazer Red Output

[BALLASTCAT] ELDOLED PW50U-M4Z0X1

[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND

[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.

[MORE] Base file 80239581-41

[INPUT] 120VAC

[TEST PROCEDURE] IESNA:LM-79-19

Note: Candela values converted from Type-C to Type-B

### CHARACTERISTICS

NEMA Type	7 H x 4 V
Maximum Candela	592
Maximum Candela Angle	0H 5V
Horizontal Beam Angle (50%)	102.2
Vertical Beam Angle (50%)	33.9
Horizontal Field Angle (10%)	148.2
Vertical Field Angle (10%)	58.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	288
Beam Efficiency	N.A.
Field Lumens	508
Field Efficiency	N.A.
Spill Lumens	28
Luminaire Lumens	537
Total Efficiency	N.A.
Total Luminaire Watts	15.31
Ballast Factor	1.00

**IES FLOOD REPORT**  
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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	1	85	0
75	54	75	0
65	138	65	2
55	217	55	5
47.5	271	47.5	8
42.5	307	42.5	12
37.5	338	37.5	18
33	365	33	56
29	389	29	210
25.5	407	25.5	267
22.5	421	22.5	312
19.5	433	19.5	370
17	441	17	412
15	448	15	438
13	454	13	463
11	459	11	483
9	464	9	508
7	467	7	543
5	469	5	592
3	471	3	546
1	470	1	495
0	469	0	469
-1	470	-1	448
-3	471	-3	408
-5	469	-5	372
-7	467	-7	341
-9	464	-9	312
-11	459	-11	288
-13	454	-13	268
-15	448	-15	253
-17	441	-17	243
-19.5	433	-19.5	233
-22.5	421	-22.5	195
-25.5	407	-25.5	63
-29	389	-29	21
-33	365	-33	17
-37.5	338	-37.5	14
-42.5	307	-42.5	11
-47.5	271	-47.5	7
-55	217	-55	2
-65	138	-65	0
-75	54	-75	0
-85	1	-85	0
-90	0	-90	0

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : L052510789.IES**

**CANDELA TABULATION**

Maximum Candela = 592

Beam Edge = 296 Cd (50% of Max.)

Field Edge = 59.2 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	1	1	1	1	2
55.0	0	0	0	1	2	3	3	4	4	4
47.5	0	0	0	3	4	5	6	6	7	8
42.5	0	0	2	6	7	8	9	10	10	11
37.5	0	1	7	14	20	17	16	16	16	16
33.0	0	1	13	31	49	57	55	56	49	52
29.0	0	1	20	52	87 *	118 *	131 *	148 *	162 *	178 *
25.5	0	1	26	71 *	122 *	161 *	185 *	204 *	218 *	228 *
22.5	0	1	31	86 *	147 *	189 *	215 *	237 *	253 *	266 *
19.5	0	1	37	100 *	167 *	215 *	246 *	271 *	293 *	310 *
17.0	0	1	39	112 *	184 *	237 *	269 *	299 *	323 *	342 *
15.0	0	1	42	122 *	197 *	252 *	287 *	319 *	343 *	364 *
13.0	0	1	44	131 *	214 *	268 *	305 *	337 *	363 *	385 *
11.0	0	1	45	141 *	232 *	282 *	323 *	357 *	382 *	406 *
9.0	0	1	47	142 *	251 *	305 *	341 *	380 *	407 *	426 *
7.0	0	1	49	142 *	266 *	326 *	363 *	401 *	439 *	461 *
5.0	0	1	51	142 *	253 *	336 *	384 *	417 *	449 *	484 *
3.0	0	1	52	141 *	240 *	311 *	361 *	407 *	444 *	467 *
1.0	0	1	53	139 *	225 *	284 *	325 *	361 *	392 *	416 *
0.0	0	1	54	138 *	217 *	271 *	307 *	338 *	365 *	389 *
-1.0	0	1	52	133 *	208 *	260 *	295 *	324 *	350 *	372 *
-3.0	0	1	49	123 *	191 *	238 *	270 *	296 *	319 *	340 *
-5.0	0	1	46	112 *	172 *	215 *	245 *	274 *	296 *	316 *
-7.0	0	1	42	101 *	154 *	200 *	230 *	255 *	275 *	293 *
-9.0	0	1	39	90 *	146 *	189 *	215 *	238 *	256 *	270 *
-11.0	0	1	35	80 *	139 *	177 *	202 *	222 *	238 *	250 *
-13.0	0	1	31	75 *	131 *	168 *	190 *	208 *	222 *	233 *
-15.0	0	1	28	71 *	124 *	160 *	179 *	196 *	209 *	219 *
-17.0	0	1	24	65 *	117 *	151 *	171 *	186 *	199 *	210 *
-19.5	0	1	19	58	107 *	136 *	161 *	177 *	188 *	199 *
-22.5	0	1	15	47	90 *	105 *	112 *	134 *	151 *	156 *
-25.5	0	0	11	32	53	58	49	57	64 *	66 *
-29.0	0	0	8	19	22	21	20	20	18	18
-33.0	0	0	4	8	9	11	12	14	14	15
-37.5	0	0	2	4	7	9	11	12	12	13
-42.5	0	0	0	3	5	7	8	9	9	10
-47.5	0	0	0	1	3	4	4	5	6	6
-55.0	0	0	0	0	1	1	2	2	2	2
-65.0	0	0	0	0	0	0	0	0	0	0
-75.0	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : L052510789.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
65.0	2	1	1	2	2	2	2	2	2	2
55.0	4	5	5	5	5	5	5	5	5	5
47.5	8	8	8	8	9	9	9	9	9	9
42.5	11	12	12	12	12	12	12	12	13	12
37.5	16	16	17	17	17	18	18	18	18	18
33.0	57	58	54	57	58	53	57	60 *	59	56
29.0	185 *	185 *	195 *	194 *	205 *	202 *	204 *	212 *	215 *	213 *
25.5	238 *	244 *	249 *	252 *	256 *	260 *	262 *	264 *	266 *	267 *
22.5	277 *	285 *	291 *	295 *	298 *	304 *	306 *	309 *	311 *	312 *
19.5	324 *	333 *	341 *	347 *	352 *	357 *	362 *	363 *	367 *	369 *
17.0	358 *	369 *	378 *	385 *	392 *	396 *	401 *	405 *	406 *	409 *
15.0	380 *	392 *	402 *	411 *	416 *	422 *	427 *	432 *	433 *	436 *
13.0	402 *	414 *	425 *	434 *	441 *	446 *	451 *	455 *	458 *	460 *
11.0	422 *	435 *	445 *	454 *	460 *	468 *	471 *	475 *	478 *	481 *
9.0	446 *	456 *	467 *	475 *	480 *	487 *	494 *	494 *	501 *	501 *
7.0	478 *	493 *	503 *	513 *	519 *	526 *	531 *	537 *	537 *	544 *
5.0	512 *	521 *	539 *	549 *	555 *	565 *	572 *	576 *	575 *	578 *
3.0	485 *	501 *	516 *	527 *	532 *	539 *	545 *	547 *	549 *	550 *
1.0	436 *	449 *	461 *	469 *	476 *	482 *	488 *	492 *	495 *	497 *
0.0	407 *	421 *	433 *	441 *	448 *	454 *	459 *	464 *	467 *	469 *
-1.0	390 *	403 *	414 *	422 *	428 *	434 *	439 *	444 *	448 *	451 *
-3.0	357 *	369 *	380 *	387 *	393 *	399 *	404 *	405 *	407 *	407 *
-5.0	330 *	340 *	348 *	355 *	360 *	364 *	367 *	370 *	371 *	373 *
-7.0	305 *	313 *	320 *	325 *	329 *	333 *	337 *	339 *	340 *	341 *
-9.0	280 *	287 *	293 *	298 *	302 *	304 *	307 *	309 *	311 *	311 *
-11.0	258 *	266 *	270 *	274 *	278 *	280 *	283 *	285 *	286 *	286 *
-13.0	241 *	248 *	252 *	256 *	259 *	262 *	264 *	266 *	266 *	268 *
-15.0	228 *	234 *	238 *	242 *	244 *	246 *	249 *	251 *	252 *	253 *
-17.0	218 *	222 *	228 *	231 *	234 *	236 *	239 *	240 *	241 *	242 *
-19.5	208 *	214 *	218 *	220 *	224 *	225 *	229 *	230 *	229 *	231 *
-22.5	161 *	165 *	172 *	179 *	180 *	177 *	191 *	182 *	179 *	186 *
-25.5	65 *	66 *	68 *	63 *	69 *	69 *	61 *	70 *	72 *	70 *
-29.0	18	19	20	20	20	20	20	19	21	22
-33.0	15	16	16	16	16	16	16	17	17	17
-37.5	13	14	14	14	14	14	14	14	15	14
-42.5	10	10	10	11	11	11	11	11	11	11
-47.5	7	7	7	7	7	7	7	7	7	7
-55.0	2	2	2	2	2	3	2	2	2	2
-65.0	0	0	0	0	0	0	0	0	0	0
-75.0	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
65.0	2	2	2	2	2	2	2	2	2	2

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**PHOTOMETRIC FILENAME : L052510789.IES**

**CANDELA TABULATION - (Cont.)**

55.0	5	5	5	5	5	5	5	5	5	5
47.5	9	8	8	8	9	9	9	9	9	9
42.5	12	12	12	12	12	12	13	12	12	12
37.5	18	18	18	18	18	18	18	18	18	18
33.0	56	56	56	56	56	56	59	60 *	57	53
29.0	211 *	211 *	210 *	211 *	211 *	213 *	215 *	212 *	204 *	202 *
25.5	268 *	267 *	267 *	267 *	268 *	267 *	266 *	264 *	262 *	260 *
22.5	313 *	313 *	312 *	313 *	313 *	312 *	311 *	309 *	306 *	304 *
19.5	369 *	371 *	370 *	371 *	369 *	369 *	367 *	363 *	362 *	357 *
17.0	410 *	413 *	412 *	413 *	410 *	409 *	406 *	405 *	401 *	396 *
15.0	437 *	440 *	438 *	440 *	437 *	436 *	433 *	432 *	427 *	422 *
13.0	461 *	463 *	463 *	463 *	461 *	460 *	458 *	455 *	451 *	446 *
11.0	482 *	483 *	483 *	483 *	482 *	481 *	478 *	475 *	471 *	468 *
9.0	505 *	509 *	508 *	509 *	505 *	501 *	501 *	494 *	494 *	487 *
7.0	545 *	543 *	543 *	543 *	545 *	544 *	537 *	537 *	531 *	526 *
5.0	573 *	588 *	592 *	588 *	573 *	578 *	575 *	576 *	572 *	565 *
3.0	550 *	544 *	546 *	544 *	550 *	550 *	549 *	547 *	545 *	539 *
1.0	497 *	494 *	495 *	494 *	497 *	497 *	495 *	492 *	488 *	482 *
0.0	471 *	470 *	469 *	470 *	471 *	469 *	467 *	464 *	459 *	454 *
-1.0	449 *	448 *	448 *	448 *	449 *	451 *	448 *	444 *	439 *	434 *
-3.0	408 *	407 *	408 *	407 *	408 *	407 *	407 *	405 *	404 *	399 *
-5.0	372 *	374 *	372 *	374 *	372 *	373 *	371 *	370 *	367 *	364 *
-7.0	341 *	342 *	341 *	342 *	341 *	341 *	340 *	339 *	337 *	333 *
-9.0	311 *	313 *	312 *	313 *	311 *	311 *	311 *	309 *	307 *	304 *
-11.0	288 *	288 *	288 *	288 *	288 *	286 *	286 *	285 *	283 *	280 *
-13.0	269 *	269 *	268 *	269 *	269 *	268 *	266 *	266 *	264 *	262 *
-15.0	254 *	254 *	253 *	254 *	254 *	253 *	252 *	251 *	249 *	246 *
-17.0	242 *	243 *	243 *	243 *	242 *	242 *	241 *	240 *	239 *	236 *
-19.5	233 *	233 *	233 *	233 *	233 *	231 *	229 *	230 *	229 *	225 *
-22.5	193 *	197 *	195 *	197 *	193 *	186 *	179 *	182 *	191 *	177 *
-25.5	67 *	65 *	63 *	65 *	67 *	70 *	72 *	70 *	61 *	69 *
-29.0	21	21	21	21	21	22	21	19	20	20
-33.0	17	17	17	17	17	17	17	17	16	16
-37.5	14	14	14	14	14	14	15	14	14	14
-42.5	11	11	11	11	11	11	11	11	11	11
-47.5	7	7	7	7	7	7	7	7	7	7
-55.0	2	2	2	2	2	2	2	2	2	3
-65.0	0	0	0	0	0	0	0	0	0	0
-75.0	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

**Vert. Angles**      **Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
65.0	2	2	1	1	2	2	1	1	1	1
55.0	5	5	5	5	4	4	4	4	3	3
47.5	9	8	8	8	8	8	7	6	6	5
42.5	12	12	12	12	11	11	10	10	9	8
37.5	17	17	17	16	16	16	16	16	16	17
33.0	58	57	54	58	57	52	49	56	55	57
29.0	205 *	194 *	195 *	185 *	185 *	178 *	162 *	148 *	131 *	118 *
25.5	256 *	252 *	249 *	244 *	238 *	228 *	218 *	204 *	185 *	161 *

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : L052510789.IES

CANDELA TABULATION - (Cont.)

22.5	298 *	295 *	291 *	285 *	277 *	266 *	253 *	237 *	215 *	189 *
19.5	352 *	347 *	341 *	333 *	324 *	310 *	293 *	271 *	246 *	215 *
17.0	392 *	385 *	378 *	369 *	358 *	342 *	323 *	299 *	269 *	237 *
15.0	416 *	411 *	402 *	392 *	380 *	364 *	343 *	319 *	287 *	252 *
13.0	441 *	434 *	425 *	414 *	402 *	385 *	363 *	337 *	305 *	268 *
11.0	460 *	454 *	445 *	435 *	422 *	406 *	382 *	357 *	323 *	282 *
9.0	480 *	475 *	467 *	456 *	446 *	426 *	407 *	380 *	341 *	305 *
7.0	519 *	513 *	503 *	493 *	478 *	461 *	439 *	401 *	363 *	326 *
5.0	555 *	549 *	539 *	521 *	512 *	484 *	449 *	417 *	384 *	336 *
3.0	532 *	527 *	516 *	501 *	485 *	467 *	444 *	407 *	361 *	311 *
1.0	476 *	469 *	461 *	449 *	436 *	416 *	392 *	361 *	325 *	284 *
0.0	448 *	441 *	433 *	421 *	407 *	389 *	365 *	338 *	307 *	271 *
-1.0	428 *	422 *	414 *	403 *	390 *	372 *	350 *	324 *	295 *	260 *
-3.0	393 *	387 *	380 *	369 *	357 *	340 *	319 *	296 *	270 *	238 *
-5.0	360 *	355 *	348 *	340 *	330 *	316 *	296 *	274 *	245 *	215 *
-7.0	329 *	325 *	320 *	313 *	305 *	293 *	275 *	255 *	230 *	200 *
-9.0	302 *	298 *	293 *	287 *	280 *	270 *	256 *	238 *	215 *	189 *
-11.0	278 *	274 *	270 *	266 *	258 *	250 *	238 *	222 *	202 *	177 *
-13.0	259 *	256 *	252 *	248 *	241 *	233 *	222 *	208 *	190 *	168 *
-15.0	244 *	242 *	238 *	234 *	228 *	219 *	209 *	196 *	179 *	160 *
-17.0	234 *	231 *	228 *	222 *	218 *	210 *	199 *	186 *	171 *	151 *
-19.5	224 *	220 *	218 *	214 *	208 *	199 *	188 *	177 *	161 *	136 *
-22.5	180 *	179 *	172 *	165 *	161 *	156 *	151 *	134 *	112 *	105 *
-25.5	69 *	63 *	68 *	66 *	65 *	66 *	64 *	57	49	58
-29.0	20	20	20	19	18	18	18	20	20	21
-33.0	16	16	16	16	15	15	14	14	12	11
-37.5	14	14	14	14	13	13	12	12	11	9
-42.5	11	11	10	10	10	10	9	9	8	7
-47.5	7	7	7	7	7	6	6	5	4	4
-55.0	2	2	2	2	2	2	2	2	2	1
-65.0	0	0	0	0	0	0	0	0	0	0
-75.0	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

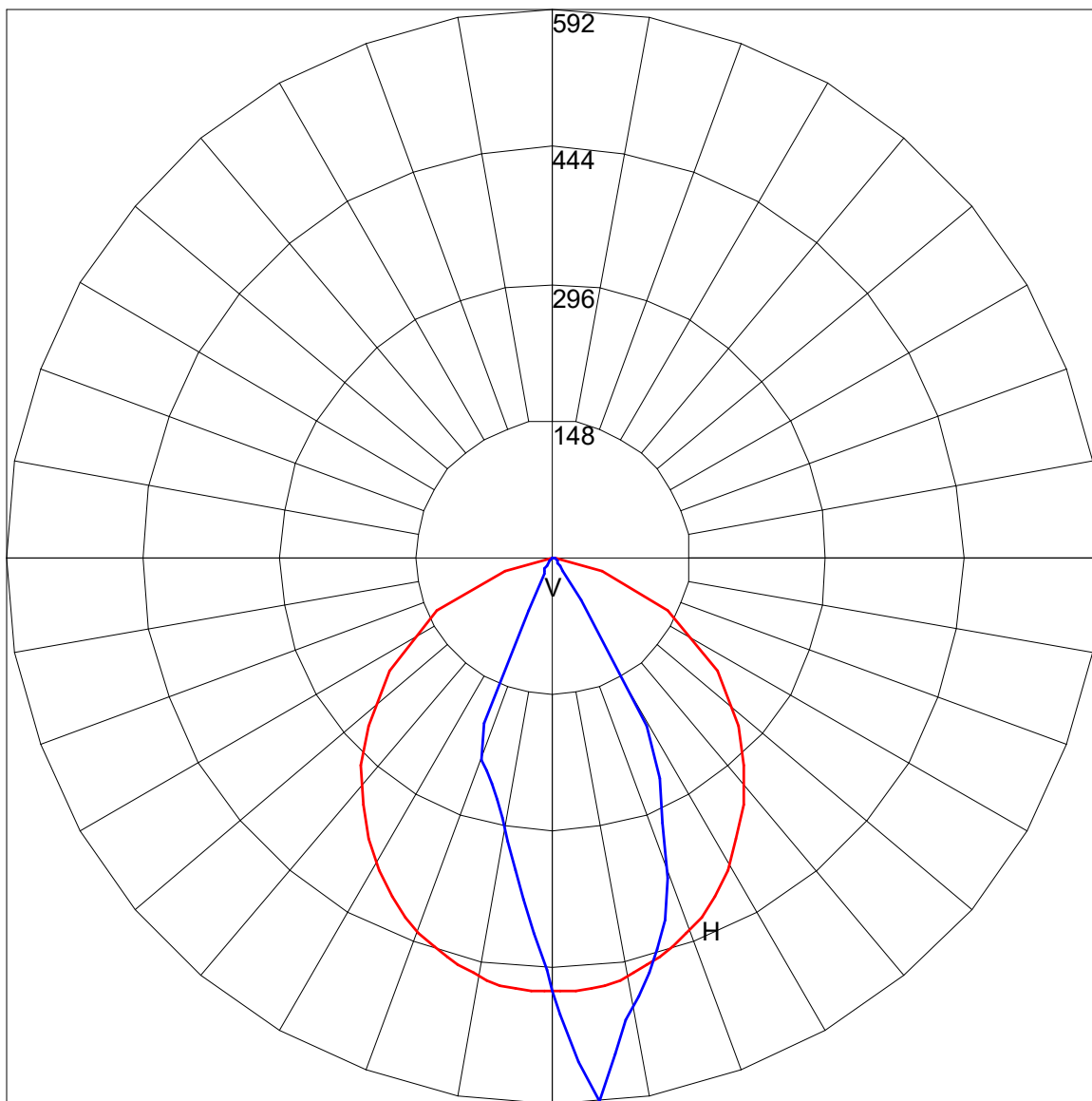
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	0	0	0	0	0
65.0	0	0	0	0	0
55.0	2	1	0	0	0
47.5	4	3	0	0	0
42.5	7	6	2	0	0
37.5	20	14	7	1	0
33.0	49	31	13	1	0
29.0	87 *	52	20	1	0
25.5	122 *	71 *	26	1	0
22.5	147 *	86 *	31	1	0
19.5	167 *	100 *	37	1	0
17.0	184 *	112 *	39	1	0
15.0	197 *	122 *	42	1	0
13.0	214 *	131 *	44	1	0
11.0	232 *	141 *	45	1	0
9.0	251 *	142 *	47	1	0

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : L052510789.IES

CANDELA TABULATION - (Cont.)

7.0	266 *	142 *	49	1	0
5.0	253 *	142 *	51	1	0
3.0	240 *	141 *	52	1	0
1.0	225 *	139 *	53	1	0
0.0	217 *	138 *	54	1	0
-1.0	208 *	133 *	52	1	0
-3.0	191 *	123 *	49	1	0
-5.0	173 *	112 *	46	1	0
-7.0	154 *	101 *	42	1	0
-9.0	146 *	90 *	39	1	0
-11.0	139 *	80 *	35	1	0
-13.0	131 *	75 *	31	1	0
-15.0	124 *	71 *	28	1	0
-17.0	117 *	65 *	24	1	0
-19.5	107 *	58	19	1	0
-22.5	90 *	47	15	1	0
-25.5	53	32	11	0	0
-29.0	22	19	8	0	0
-33.0	9	8	4	0	0
-37.5	7	4	2	0	0
-42.5	5	3	0	0	0
-47.5	3	1	0	0	0
-55.0	1	0	0	0	0
-65.0	0	0	0	0	0
-75.0	0	0	0	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

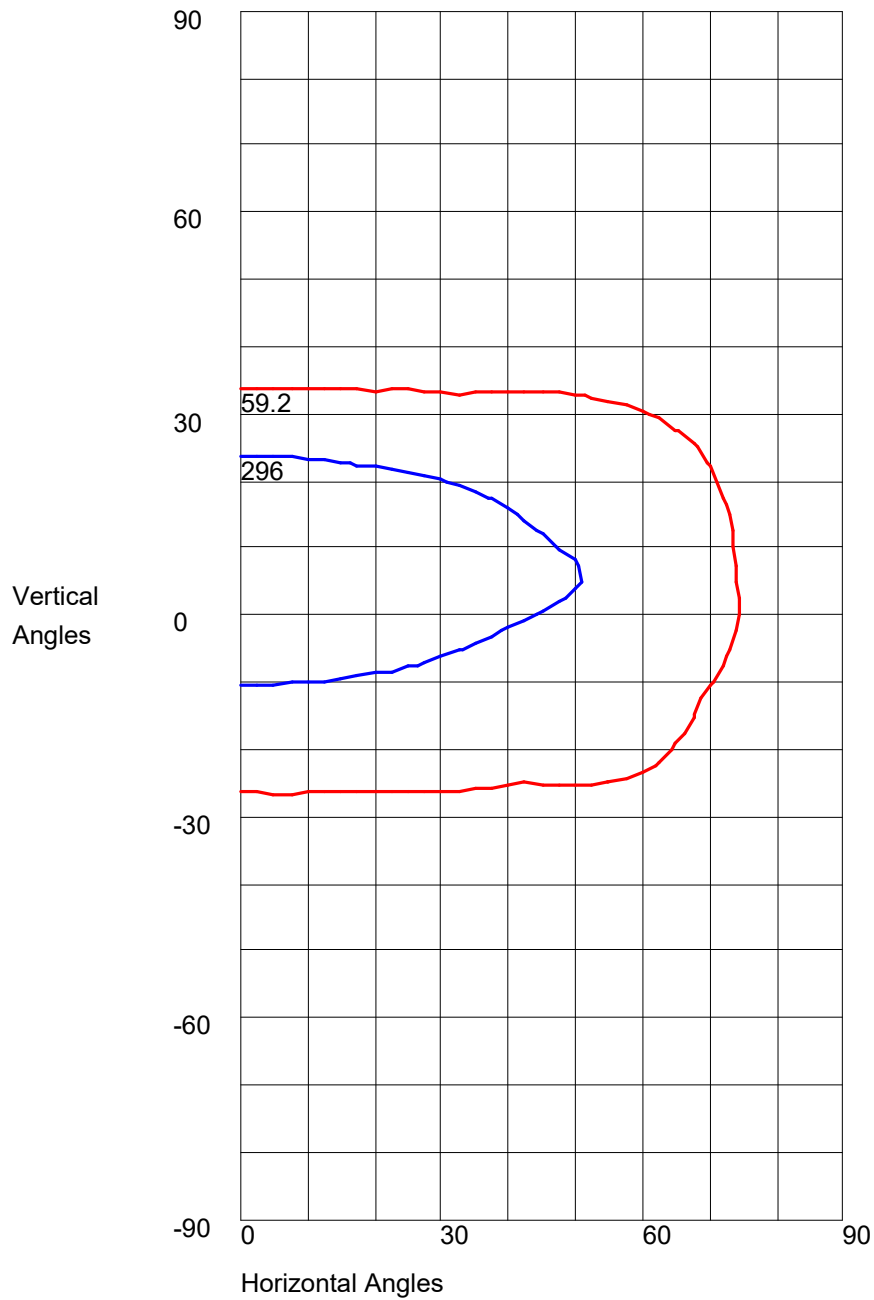
AXIAL CANDELA DISPLAY



Maximum Candela = 592 Located At Horizontal Angle = 0, Vertical Angle = 5  
H - Horizontal Axial Candela  
V - Vertical Axial Candela



ISOCANDELA CURVES



Maximum Candela = 592 Located At Horizontal Angle = 0, Vertical Angle = 5  
50% Maximum Candela = 296  
10% Maximum Candela = 59.2